

Claims

1. A saw blade for power tools, in particular for power
5 reciprocating saws, having a blade back (11) and a toothing (12),
extending along the lower edge of the blade back, comprising many
saw teeth (13) lined up in succession, characterized in that in
successive portions (a, b) of the toothing (12), each with an
integral number of saw teeth (13), the saw teeth (13) are
10 embodied with the same tooth width (a_z , b_z), which however is
different from the saw teeth (13) in the preceding or succeeding
portion (b, a) of the toothing (12).

2. The saw blade of claim 1, characterized in that the
tooth width (a_z) of the saw teeth (13) in one set of portions (a)
15 of the toothing (12) is equivalent to the thickness of the blade
back (11), and the tooth width (b_z) differing from it of the saw
teeth (13) in the other portions (b) of the toothing (12) is
brought about by material removal or material compacting.

20 3. The saw blade of claim 2, characterized in that in
successive portions (b) of the toothing (12) with saw teeth (13)
having the reduced tooth width (b_z), the material removal or
material compacting is performed in alternation from one side and
25 the other of the blade back (11).

30 4. The saw blade of claim 3, characterized in that the saw
teeth (13) with the reduced tooth width (b_z) are transposed, and
the transposition is done toward the side of the blade back (11)
remote from the material removal or material compacting.

5. The saw blade of claim 2, characterized in that

parallel recesses (14, 15; 14', 15'; 14'', 15'') spaced apart from one another are made in the blade back (11) on both sides of the blade back (11) and extend past the saw teeth (13) as far as the underside, remote from the blade back (11), of the toothing (12), and that the recesses (14) on one side of the blade back (11) and the recesses (15) on the other side of the blade back (11) are disposed offset from one another longitudinally of the saw blade.

6. The saw blade of claim 5, characterized in that the recesses (14, 15) are extended as far as the upper edge (111), remote from the toothing (12), of the blade back (11).

7. The saw blade of claim 5, characterized in that the recesses (14', 15'; 14'', 15'') end at a distance in front of the upper edge (111), remote from the toothing (12), of the blade back (11).

8. The saw blade of claim 5, characterized in that the recesses (14, 15; 14', 15') are inclined relative to the toothing (12) at an acute angle (α) in the advancement direction of the saw blade (11), and preferably the acute angle (α) is equivalent to the rake angle of the saw teeth (13).

9. The saw blade of claim 2, characterized in that successive portions (a, b) of the toothing (12) have in alternation one tooth of large tooth width (a_z) and two teeth (13) of reduced tooth width (b_z).

10. The saw blade of claim 5, characterized in that the recesses (14, 15; 14', 15'; 14'', 15'') are cut into the blade back (11) and the toothing (12) before the transposition of the

saw teeth (13)